




# SUB CARRIER ASSIGNMENT METHOD FOR WIRELESS COMMUNICATION SYSTEM

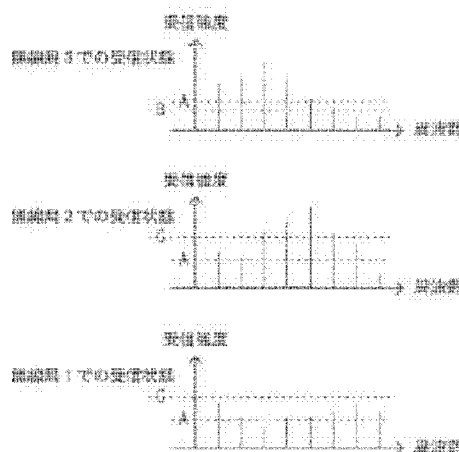
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## Abstract of JP 2001238269 (A)

**PROBLEM TO BE SOLVED:** To provide a subcarrier assignment method for a wireless communication system by which a subcarrier providing a deteriorated reception state causing degradation in the transmission efficiency to a concerned wireless station cannot be assigned thereto. **SOLUTION:** The method of this invention comprises a 1st step where a base station transmits reference signals consisting of subcarriers with an equal level to wireless stations at the same time, a 2nd step where the wireless stations inform the base station about the reception state by the subcarrier of each reference signal, and a 3rd step where the base station makes communications with destination wireless stations by means of packets in the transmission sequence depending on the reception state of each subcarrier.; In the 2nd step, a 1st threshold A with respect to the reception strength is set, and a binary bit is used to express the reception state having the reception strength of the threshold A or over and having the reception strength smaller than the threshold A.



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